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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,681	11/19/2003	Hartmut Ruelke	2000.108700	6568
23720	7590 02/08/2005		EXAMINER	
WILLIAMS, MORGAN & AMERSON, P.C.			PHAM, THANHHA S	
	10333 RICHMOND, SUITE 1100 HOUSTON, TX 77042		ART UNIT	PAPER NUMBER
·			2813	
			DATE MAILED: 02/08/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Paper No(s)/Mail Date

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

Paper No(s)/Mail Date. _____.

6) Other: ____

5) Notice of Informal Patent Application (PTO-152)

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DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-22 and 24-27, drawn to a method, classified in class 438, subclass 622.
- Claim 23, drawn to a semiconductor device, classified in class 257, subclass 774.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the product invention II can be made by another and materially different process, for example, a dielectric barrier layer comprising a silicon carbide and nitrogen having a first surface and a second surface wherein a noble gas atom concentration at said first surface is higher than at said second surface can be formed by ion-implanting or ion-bombardment technique instead of exposing the dielectric barrier layer to a plasma treatment comprising the noble gas. In addition, the method invention I can be used to make other and materially different product that is not a semiconductor device (see claims 1 and 23 for details).

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3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

- 4. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.
- 5. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 6. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanhha Pham whose telephone number is (571) 272-1696. The examiner can normally be reached on Monday and Thursday 9:00AM 9:30PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thanhha Pham Patent Examiner

Patent Examining Group 2800